

Title (en)
Method and apparatus for monitoring a distributed system.

Title (de)
Verfahren und Anordnung zur Überwachung eines verteilten Systems.

Title (fr)
Procédé et dispositif de surveillance d'un système distribué.

Publication
EP 0585479 A1 19940309 (EN)

Application
EP 92114849 A 19920831

Priority
EP 92114849 A 19920831

Abstract (en)
A method and apparatus for monitoring the behavior over time of a distributed system (51). Time-stamped data descriptive of events at one subsystem (53) are placed (15) into a local buffer (59). The subsystem is notified (21) of the time when a trap condition occurs at another subsystem (63). Data having a time-stamp within a certain interval of the occurrence of the trap condition are archived (23) to provide a history of the system for later analysis. Time is determined by a local clock (57, 67) in each subsystem. These clocks are synchronized (25) to ensure accurate correlation between events at different subsystems. Trap conditions are categorized (31) and data descriptive of subsystem states are classified (35) to facilitate selective notification (33) of one or more other subsystems, and selective retention (37) of the data, depending on which category of trap condition has occurred and which class of data has been collected. <IMAGE>

IPC 1-7
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IPC 8 full level
G06F 11/34 (2006.01); **G07C 3/10** (2006.01)

CPC (source: EP)
G06F 11/3495 (2013.01); **G07C 3/10** (2013.01); **G06F 11/3476** (2013.01); **G06F 2201/86** (2013.01)

Citation (search report)
• [A] EP 0443972 A2 19910828 - IBM [US]
• [AD] 6TH EUROPEAN FIBER OPTIC COMMUNICATIONS AND LOCAL AREA NETWORKS EXPOSITION 29 June 1988, AMSTERDAM, NL pages 452 - 457 M. ZIEHER ET AL. 'NETMON - a Distributed Monitoring System'
• [A] "MERGING OF 'TRACE' DATA FROM DISTRIBUTED SYSTEMS.", IBM TECHNICAL DISCLOSURE BULLETIN, INTERNATIONAL BUSINESS MACHINES CORP. (THORNWOOD), US, vol. 34., no. 07A., 1 December 1991 (1991-12-01), US, pages 165 - 166., XP000255516, ISSN: 0018-8689
• [A] PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON DISTRIBUTED COMPUTING SYSTEMS 5 June 1989, NEWPORT BEACH, US pages 61 - 68 J.P. KEARNS 'Simultaneous Regions: A Framework for the Consistent Monitoring of Distributed Systems'

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